

WHAT IS CLAIMED IS:

1                   1.     A method for detecting electronic text communication distributed  
2 in bulk, the method comprising steps of:  
3                   receiving a first electronic text communication;  
4                   processing the first electronic text communication with an algorithm to  
5 produce a first fingerprint;  
6                   beginning a time period for the first electronic text communication;  
7                   receiving a second electronic text communications;  
8                   processing the second electronic text communications with the algorithm  
9 to produce a second fingerprint;  
10                  comparing the first fingerprint to the second fingerprint to determine if the  
11 first electronic text communication is similar to the second electronic text  
12 communication;  
13                  updating a count for the first electronic text communication based upon the  
14 comparing step; and  
15                  determining if the count during the time period reaches a first threshold.

1                   2.     The method for detecting electronic text communication distributed  
2 in bulk as recited in claim 1, further comprising a step of filtering subsequent electronic  
3 text communications similar to the first electronic text communication.

1                   3.     The method for detecting electronic text communication distributed  
2 in bulk as recited in claim 1, wherein the first listed processing step comprises a step of  
3 calculating a histogram where counts are determined for words in the first electronic text  
4 communication.

1                   4.     The method for detecting electronic text communication distributed  
2 in bulk as recited in claim 1, further comprising steps of:  
3                   determining if a character count of the first electronic text communication  
4 exceeds a second threshold; and  
5                   choosing a fingerprint algorithm based upon the step of determining if the  
6 character count of the first electronic text communication exceeds the second threshold.

1                   5.     The method for detecting electronic text communication distributed  
2 in bulk as recited in claim 1, wherein a match is determined from the comparing step even  
3 if the first fingerprint and the second fingerprint differ by a percentage.

1                   6.     The method for detecting electronic text communication distributed  
2 in bulk as recited in claim 1, further comprising steps of:  
3                   determining network addresses for the first and second electronic text  
4 communications; and  
5                   modifying the first threshold based upon the step of determining network  
6 addresses.

1                   7.     A method for detecting electronic text communication distributed  
2 in bulk, the method comprising steps of:  
3                   receiving an electronic text communication;  
4                   processing the electronic text communication with an algorithm to produce  
5 a fingerprint;  
6                   beginning a time period associated with the electronic text communication;  
7                   receiving a plurality of electronic text communications;  
8                   processing the plurality electronic text communications with the algorithm  
9 to produce a plurality of fingerprints;  
10                  comparing the plurality of fingerprints to the fingerprint in order to  
11 determine how many of the plurality of electronic text communications are similar to the  
12 electronic text communication;  
13                  counting an amount of the plurality of electronic text communications that  
14 are similar to the electronic text communication; and  
15                  determining if the amount during the time period reaches a first threshold.

1                   8.     The method for detecting electronic text communication distributed  
2 in bulk as recited in claim 7, further comprising a step of filtering subsequent electronic  
3 text communications similar to the electronic text communication.

1                   9.     The method for detecting electronic text communication distributed  
2 in bulk as recited in claim 7, wherein the first listed processing step comprises a step of  
3 calculating a histogram where counts are determined for words in the electronic text  
4 communication.

1                   10. The method for detecting electronic text communication distributed  
2 in bulk as recited in claim 7, further comprising steps of:  
3                   determining if a character count of the electronic text communication  
4 exceeds a second threshold; and  
5                   choosing a fingerprint algorithm based upon the step of determining if the  
6 character count of the electronic text communication exceeds the second threshold.

1                   11. The method for detecting electronic text communication distributed  
2 in bulk as recited in claim 7, wherein the electronic text communication is chosen from a  
3 group consisting of a chat room comment, an instant message, a newsgroup posting, an  
4 electronic forum posting, a message board posting, and a classified advertisement.

1                   12. The method for detecting electronic text communication distributed  
2 in bulk as recited in claim 7, further comprising steps of:  
3                   determining network addresses for the electronic text communication and  
4 each of the subset; and  
5                   modifying the first threshold based upon the step of determining network  
6 addresses.

1                   13. A method for blocking electronic text communication distributed in  
2 bulk, the method comprising steps of:  
3                   receiving an electronic text communication;  
4                   generating a fingerprint indicative of the electronic text communication;  
5                   beginning a time period in relation to the first listed receiving step;  
6                   receiving a plurality of electronic text communications;  
7                   generating a plurality of fingerprints corresponding to the plurality of  
8 electronic text communications;  
9                   determining a subset of the plurality of electronic text communications that  
10 are similar to the electronic text communication;  
11                   counting a size of the subset;  
12                   determining if the size during the time period reaches a first threshold; and  
13                   filtering subsequent electronic text communications similar to the  
14 electronic text communication.

1                   14.    The method for blocking electronic text communication distributed  
2 in bulk as recited in claim 13, wherein the first listed generating step comprises a step of  
3 calculating a histogram where counts are determined for words in the electronic text  
4 communication.

1                   15.    The method for blocking electronic text communication distributed  
2 in bulk as recited in claim 13, further comprising a step of removing non-textual  
3 information from the electronic text communication.

1                   16.    The method for blocking electronic text communication distributed  
2 in bulk as recited in claim 13, further comprising a step of determining if a character  
3 count of the electronic text communication exceeds a second threshold.

1                   17.    The method for blocking electronic text communication distributed  
2 in bulk as recited in claim 16, further comprising a step of choosing a fingerprint  
3 algorithm based upon the step of determining if the character count of the electronic text  
4 communication exceeds the second threshold.

1                   18.    The method for blocking electronic text communication distributed  
2 in bulk as recited in claim 13, wherein the electronic text communication is chosen from a  
3 group consisting of a chat room comment, an instant message, a newsgroup posting, an  
4 electronic forum posting, a message board posting, and a classified advertisement.

1                   19.    The method for blocking electronic text communication distributed  
2 in bulk as recited in claim 13, further comprising a step of removing everything from the  
3 electronic text communication except a message body.

1                   20.    The method for blocking electronic text communication distributed  
2 in bulk as recited in claim 13, further comprising steps of:  
3                   determining network addresses for the electronic text communication and  
4 each of the subset; and  
5                   modifying the first threshold based upon the step of determining network  
6 addresses.